

5 a processor coupled to the memory to compare the property of two frames to each
6 other and to generate the output signal in response to the property of the two frames
7 differing by a predetermined amount.

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1 16. (New) The apparatus of claim 15 further comprising reset circuitry
2 coupled to the processor to power up an electronic device in response to the output signal
3 generated by the processor.

1 17. (New) The apparatus of claim 16 wherein the electronic device is a
2 computer system.

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1 18. (New) The apparatus of claim 16, wherein the processor receives frames
2 at a first frame rate when the electronic device is powered up and the processor receives
3 frames at a second frame rate when the electronic device is not powered up.

1 19. (New) The apparatus of claim 16, wherein the processor determines the
2 frame property when the electronic device is not powered up and does not determine the
3 frame property when the electronic device is powered up.

1 20. (New) The apparatus of claim 15, wherein the property is an average
2 brightness of the frame.

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21. (New) The apparatus of claim 15, wherein the processor compares frames
by comparing a weighted average brightness of consecutive frames.

SUB B27

22. (New) A method of causing an electronic device to power up from a
reduced power state comprising:
receiving a first frame corresponding to a view at a first time;
determining a property for the first frame;
receiving a second frame corresponding to a view at a second time;
determining the property for the second frame; and
causing the electronic device to power up if the property for the first frame differs
from the property for the second frame by a predetermined amount.

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23. (New) The method of claim 22 wherein determining the property is
performed by a processor internal to a video camera.

24. (New) The method of claim 22, wherein frames are received at a first
frame rate when the electronic device is powered up and at a second frame rate when the
electronic device is not powered up.

25. (New) The method of claim 22 wherein the property is an average
brightness.

1 26. (New) The method of claim 22 wherein the property is a weighted
2 average brightness.

1 27. (New) An apparatus for causing an electronic device to power up from a
2 reduced power state comprising:
3 means for receiving a first frame corresponding to a view at a first time and a
4 second frame corresponding to a view at a second time;
5 means for determining a property for the first frame and for the second frame; and
6 means for causing the electronic device to power up if the property for the first
7 frame differs from the property for the second frame by a predetermined amount.

1 28. (New) The apparatus of claim 27 further comprising means for receiving
2 frames at a reduced rate when the electronic device is powered down.

SUB B3 1 29. (New) An electronic system comprising:
2 a bus;
3 a processor coupled to the bus;
4 a camera interface coupled to the bus; and
5 a video camera coupled to the camera interface, the video camera having a video
6 processor to receive frames representing views of the camera, the video processor to
7 determine a property for each of the frames and to generate an output signal in response

8 to the property for consecutive frames differing by a predetermined amount when the
9 electronic system is in a reduced power state;
10 wherein the processor is configured to cause the electronic device to power up
11 from the reduced power state in response to the output signal generated by the video
12 processor.

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1 30. The electronic system of claim 29 wherein the property is an average
2 brightness.

1 31. The electronic system of claim 29 wherein the property is a weighted
2 average brightness.

1 32. The electronic system of claim 29 wherein the processor receives frames at
2 a reduced rate when the electronic system is in a reduced power state.

REMARKS

Applicants respectfully request consideration of the present U.S. Patent application as amended herein. Claims 1-14 have been canceled and claims 15-32 have been added. Thus, claims 15-32 are pending.

The Examiner is respectfully requested to contact the undersigned by telephone if it is believed that such contact would further the examination of the present application.